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IMAGERY  
ANALYSIS  
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

ZHDANOV SHIPYARD 190

LENINGRAD, USSR

25X1

Declass Review by NIMA/DOD

25X1

CIA/PIR 67230

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DATE MARCH 1966

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ZHDANOV SHIPYARD 190

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SHIPYARD : ZHDANOV SHIPYARD 190  
LOCATION : LENINGRAD, USSR  
GEO COORDS: 59-53N 030-14E

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# KEY TO ANNOTATIONS

1. Large unidentified combatant, possibly of a new class, located in the southeast end of main fitting-out basin. The LOA of this ship is approximately 530 feet (\*) or about 60 feet longer than a probable KASHIN Class DLG Med-moored in parallel position (Figure 2). Although shadow precludes exact measurements, the beam of this unidentified ship is approximately 55 to 65 feet which is significantly greater than that of the KASHIN Class DLG.

The hull outline and topside configuration suggest that this ship may be of a frigate-type. Analysis of stereo imagery reveals the presence of a heavy mast located amidship. Aft the mast and main superstructure, located relatively low to the deck, is imagery that resembles a set of KASHIN-type exhaust stacks, suggesting that this vessel might be gas turbine powered. The armament cannot be identified from this imagery. This ship was not observed at this yard on [REDACTED]

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2. Probable KASHIN Class DLG Med-moored in main fitting-out basin (visible LOA approx 450').  
Figure 2 provides a comparative analysis between this vessel (together with a US Navy photograph of a KASHIN Class DLG) and the large unidentified combatant described in annotation 1 above. Many features unique to the KASHIN Class DLG (left side of Figure 2) are present in the imagery of the vessel alongside the large unidentified combatant (right side of Figure 2); thus enabling the identification of this vessel as a probable KASHIN Class DLG. These features include the positioning of two sets of probable exhaust stacks, the placement of the after gun mount, and the visible hull outline. See annotation 1, [REDACTED]
3. Possible KASHIN Class DLG Med-moored in large fitting-out basin (visible LOA approx 450').  
Long shadows cast by high masts of adjacent probable KASHIN Class DLG (annotation 2 above) obscure forward portion of this ship and preclude

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more positive identification. Visible topside detail on after half of this ship is similar to the probable KASHIN Class DLG described in annotation 2 above.

4. Two unidentified vessels Med-moored in main fitting-out basin (length from the quay edge to the bow of each of these vessels is approx 470'). High contrast and long shadows preclude more positive identification.
5. Possible VYTEGRALES Class timber carrier Med-moored in main fitting-out basin (LOA approx 400').
6. Possible VYTEGRALES Class timber carrier berthed alongside quay in main fitting-out basin (LOA approx 400'). See annotation 6, [REDACTED]
7. Small possible vessel Med-moored in main fitting-out basin. Shadows preclude more positive identification. The shadow cast by a probable bow and the configuration of possible bow imagery indicates the presence of a small vessel in this area. (Could not be measured.).
8. Unidentified ship Med-moored near west end of main fitting-out basin (LOA approx 310').  
Appears to be of the same class as annotation 9 below. See annotation 8, [REDACTED]
9. Unidentified ship Med-moored near west end of main fitting-out basin (LOA approx 310').  
Appears to be of the same class as annotation 8 above. See annotation 8, [REDACTED]
10. Unidentified ship Med-moored at west end of main fitting-out basin. The dark color of the object and shadows cast by equipment in the shipyard preclude any further identification (could not be measured). See annotation 9, [REDACTED]
11. Possible hull of large vessel in early stages of construction on building way (measurements undetermined).
12. Large unidentified ship under construction on building way. The length of this hull from the stern (end closest to the transverser platform) to the visible extent of construction (the bow is incomplete) is 480 feet. Measuring from the stern there are two large openings at approximately 200 feet and 310 feet (measured to the center of the opening). The

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appearance of the after opening is similar, except for positioning, to a probable KASHIN Class DLG under construction on the same building way in [REDACTED]. This unidentified ship, when completed, will be longer and wider in the beam than a KASHIN Class DLG. The stern and visible bridge configuration are not unlike imagery observed on the ship indicated by annotation 1 above. The after deck opening in the ship on the building way is in the same position as the imagery that resembles the KASHIN-type gas turbine exhaust stacks seen in annotation 1 above.

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NOTE: All measurements were made by the CIA/IAD project analyst with the exception of those indicated by an asterisk (\*) which were provided by the NPIC Technical Intelligence Division and are considered accurate within [REDACTED] whichever is greater.

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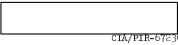
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REFERENCES



DOCUMENTS

CIA-P 135 (NPIC 230452Z FEB 66)

CIA-P 141 (NPIC 081708Z MAR 66)

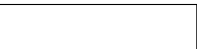
EQUIPMENT

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CIA/IAD PROJECT

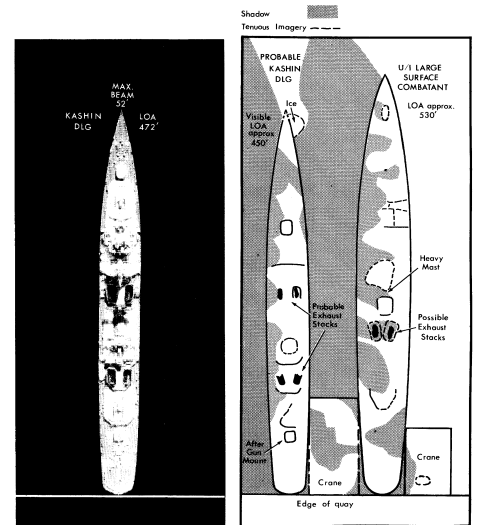
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COMPARATIVE ANALYSIS of LARGE UNIDENTIFIED SOVIET  
SURFACE COMBATANT and KASHIN CLASS DLG



KASHIN CLASS DLG  
Mediterranean Sea  
US Navy

ZHDANOV SHIPYARD 190  
Leningrad, USSR

FIGURE 2

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